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Memorandum

U.S. Department
of Transportation

National Highway
Traffic Safety
Administration

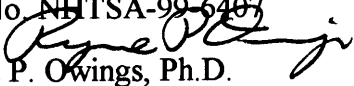
NHTSA-00-7013-5

NHTSA-99-6407-146

Subject: High Speed Films, Test Reports, and Electronic Data
for High Speed Crash Tests Conducted with
Preproduction Prototype MY 2000 Vehicles to
Docket No. NHTSA-99-6407

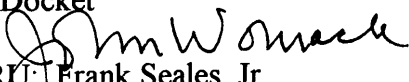
Date:

MAY 4 2000

From: 
Raymond P. Owings, Ph.D.
Associate Administrator for
Research and Development

Reply to
Attn. of

To: The Docket


THRU: Frank Seales, Jr.
Chief Counsel

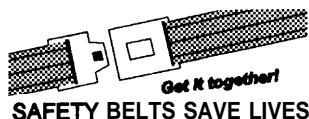
NHTSA conducted high speed crash tests with a **preproduction** prototype MY 2000 Taurus and a **preproduction** prototype MY 2000 Mercury Sable vehicle. The test vehicles contained **unbelted** 50th percentile adult male and unbelted 5th percentile adult female Hybrid III anthropomorphic test devices in the driver and right front passenger seating positions. The tests were conducted at 48 kmph into a flat rigid barrier. The main objective for these tests was to evaluate the performance of advanced restraint systems in high speed crash conditions with unbelted 5th percentile adult female Hybrid III and unbelted 50th percentile adult male Hybrid III anthropomorphic test devices. Attachment 1 lists the test numbers and test conditions.

Research and Development requests that this memorandum be placed in NHTSA Docket No. NHTSA-99-6407. We have submitted high speed films and test reports of the tests to NHTSA's public film library at the National Crash Analysis Center (703-726-8236). We also have made the signal traces available to the public through our Internet vehicle crash test database, <http://www-nrd.nhtsa.dot.gov/nrd10/nrd11/databases.html>. We will also add this information to the tables of Electronic Crash Test Data of 1999/2000 Model Year Vehicles on the Advanced Air Bag Research page, http://www-nrd.nhtsa.dot.gov/airbag/advabg_rev.htm.

Attachment

cc: Director, Office of Public and Consumer Affairs

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Attachment 1 - Table of Crash Test Data

Crash Test Matrix with Unbelted 50th Percentile Male Hybrid III Dummies						
NHTSA Test Number	Test Vehicle	Test Configuration	Approx. Impact Speed (kmph)	Impact Angle (Degrees)	Offset (%)	Notes
3150	Preproduction Prototype MY 2000 Ford Taurus	Rigid Frontal Barrier	48	0	N/A	SAE J211 for neck

Crash Test Matrix with Unbelted 5th Percentile Female Hybrid III Dummies (Seated Full Forward)						
NHTSA Test Number	Test Vehicle	Test Configuration	Approx. Impact Speed (kmph)	Impact Angle (Degrees)	Offset (%)	Notes
3212	Preproduction Prototype MY 2000 Mercury Sable	Rigid Frontal Barrier	48	0	N/A	SAE J211 for neck